RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _10/567,424_
Source: _1Fwp_
Date Processed by STIC: _2/14/06_

ENTERED

IFWP

RAW SEQUENCE LISTING   DATE: 02/14/2006
PATENT APPLICATION: US/10/567,424   TIME: 12:41:19

        Input Set : F:\Updated 1386-23.ST25.txt
        Output Set: N:\CRF4\02142006\J567424.raw

 3 <110> APPLICANT: Bionomics Limited
 4   Mulley, John C
 5   Harkin, Louise A
 6   Dibbens, Leanne M
 7   Phillips, Hilary A
 8   Heron, Sarah E
 9   Berkovic, Samuel F
10   Scheffer, Ingrid E
11   Davy, Anne
13 <120> TITLE OF INVENTION: MUTATIONS IN ION CHANNELS
15 <130> FILE REFERENCE: 1386/23
C--> 17 <140> CURRENT APPLICATION NUMBER: US/10/567,424
C--> 17 <141> CURRENT FILING DATE: 2006-02-06
17 <160> NUMBER OF SEQ ID NOS: 95
19 <170> SOFTWARE: PatentIn version 3.2
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 8381
23 <212> TYPE: DNA
24 <213> ORGANISM: Homo sapiens
26 <400> SEQUENCE: 1
27 atactgcaga ggtctctggt gcatgtgtgt atgtgtgcgt ttgtgtgtgt ttgtgtgtct   60
29 gtgtgttctg ccccagtgag actgcagccc ttgtaaatac tttgacacct tttgcaagaa   120
31 ggaatctgaa caattgcaac tgaaggcaca ttgttatcat ctcgtctttg ggtgatgctg   180
33 ttcctcactg cagatggata attttccttt taatcaggaa tttcatatgc agaataaatg   240
35 gtaattaaaa tgtgcaggat gacaagatgg agcaaacagt gcttgtacca ccaggacctg   300
37 acagcttcaa cttcttcacc agagaatctc ttgcggctat tgaaagacgc attgcagaag   360
39 aaaaggcaaa gaatcccaaa ccagacaaaa aagatgacga cgaaaatggc ccaaagccaa   420
41 atagtgactt ggaagctgga aagaaccttc catttattta tggagacatt cctccagaga   480
43 tggtgtcaga gccctggag gacctggacc cctactatat caataagaaa acttttatag   540
45 tattgaataa attgaaggcc atcttccggt tcagtgccac ctctgccctg tacatttaa   600
47 ctcccttcaa tcctcttagg aaaatagcta ttaagatttt ggtacattca ttattcagca   660
49 tgctaattat gtgcactatt ttgacaaact gtgtgtttat gacaatgagt aaccctcctg   720
51 attggacaaa gaatgtagaa tacaccttca caggaatata tacttttgaa tcacttataa   780
53 aaattattgc aaggggattc tgtttagaag attttacttt ccttcgggat ccatggaact   840
55 ggctcgattt cactgtcatt acatttgcgt acgtcacaga gtttgtggac ctgggcaatg   900
57 tctcggcatt gagaacattc agagttctct gagcattgaa gacgatttca gtcattccag   960
59 gcctgaaaac cattgtggga gccctgatcc agtctgtgaa gaagctctca gatgtaatga   1020
61 tcctgactgt gttctgtctg agcgtatttg ctctaattgg gctgcagctg ttcatgggca   1080
63 acctgaggaa taaatgtata caatggcctc ccaccaatgc ttccttggag aacatagta   1140
65 tagaaaagaa tataactgtg aattataatg gtacacttat aaatgaaact gtctttgagt   1200
67 ttgactggaa gtcatatatt caagattcaa gatatcatta tttcctggag ggttttttag   1260
69 atgcactact atgtggaaat agctctgatg caggccaatg tccagaggga tatatgtgtg   1320
71 tgaaagctgg tagaaatccc aattatggct acacaagctt tgataccttc agttgggctt   1380

RAW SEQUENCE LISTING   DATE: 02/14/2006
PATENT APPLICATION: US/10/567,424   TIME: 12:41:19

Input Set : F:\Updated 1386-23.ST25.txt
Output Set: N:\CRF4\02142006\J567424.raw

```
 73 ttttgtcctt gtttcgacta atgactcagg acttctggga aaatctttat caactgacat   1440
 75 tacgtgctgc tgggaaaacg tacatgatat tttttgtatt ggtcattttc ttgggctcat   1500
 77 tctacctaat aaatttgatc ctggctgtgg tggccatggc ctacgaggaa cagaatcagg   1560
 79 ccaccttgga agaagcagaa cagaaagagg ccgaatttca gcagatgatt gaacagctta   1620
 81 aaaagcaaca ggaggcagct cagcaggcag caacggcaac tgcctcagaa cattccagag   1680
 83 agcccagtgc agcaggcagg ctctcagaca gctcatctga agcctctaag ttgagttcca   1740
 85 agagtgctaa ggaaagaaga aatcggagga agaaaagaaa acagaaagag cagtctggtg   1800
 87 gggaagagaa agatgaggat gaattccaaa aatctgaatc tgaggacagc atcaggagga   1860
 89 aaggtttcg cttctccatt gaagggaacc gattgacata tgaaaagagg tactcctccc   1920
 91 cacaccagtc tttgttgagc atccgtggct ccctatttc accaaggcga aatagcagaa   1980
 93 caagcctttt cagctttaga gggcgagcaa aggatgtggg atctgagaac gacttcgcag   2040
 95 atgatgagca cagcaccttt gaggataacg agagccgtag agattccttg tttgtgcccc   2100
 97 gacgacacgg agagagacgc aacagcaacc tgagtcagac cagtaggtca tcccggatgc   2160
 99 tggcagtgtt ccagcgaat gggaagatgc acagcactgt ggattgcaat ggtgtggttt   2220
101 ccttggttgg tggaccttca gttcctacat cgcctgttgg acagcttctg ccagaggtga   2280
103 taatagataa gccagctact gatgacaatg gaacaaccac tgaaactgaa atgagaaaga   2340
105 gaaggtcaag ttctttccac gtttccatgg actttctaga agatccttcc caaaggcaac   2400
107 gagcaatgag tatagccagc attctaacaa atacagtaga agaacttgaa gaatccaggc   2460
109 agaaatgccc accctgttgg tataaatttt ccaacatatt cttaatctgg gactgttctc   2520
111 catattggtt aaaagtgaaa catgttgtca acctggttgt gatggaccca tttgttgacc   2580
113 tggccatcac catctgtatt gtcttaaata ctctttcat ggccatggag cactatccaa   2640
115 tgacggacca tttcaataat gtgcttacag taggaaactt ggttttcact gggatcttta   2700
117 cagcagaaat gtttctgaaa attattgcca tggatcctta ctattatttc caagaaggct   2760
119 ggaatatctt tgacggtttt attgtgacgc ttagcctggt agaacttgga ctcgccaatg   2820
121 tggaaggatt atctgttctc cgttcatttc gattgctgcg agttttcaag ttggcaaaat   2880
123 cttggccaac gttaaatatg ctaataaaga tcatcggcaa ttccgtgggg gctctgggaa   2940
125 atttaacct cgtcttggcc atcatcgtct tcattttgc cgtggtcggc atgcagctct   3000
127 ttggtaaaag ctacaaagat tgtgtctgca agatcgccag tgattgtcaa ctcccacgct   3060
129 ggcacatgaa tgacttcttc cactccttcc tgattgtgtt ccgcgtgctg tgtggggagt   3120
131 ggatagagac catgtgggac tgtatggagg ttgctggtca agccatgtgc cttactgtct   3180
133 tcatgatggt catggtgatt ggaaacctag tggtcctgaa tctctttctg gccttgcttc   3240
135 tgagctcatt tagtgcagac aaccttgcag ccactgatga tgataatgaa atgaataatc   3300
137 tccaaattgc tgtggatagg atgcacaaag gagtagctta tgtgaaaaga aaaatatatg   3360
139 aatttattca acagtcctc attaggaaac aaaagatttt agatgaaatt aaaccacttg   3420
141 atgatctaaa caacaagaaa gacagttgta tgtccaatca tacaacagaa attgggaaag   3480
143 atcttgacta tcttaaagat gtaaatggaa ctacaagtgg tataggaact ggcagcagtg   3540
145 ttgaaaaata cattattgat gaaagtgatt acatgtcatt cataaacaac cccagtctta   3600
147 ctgtgactgt accaattgct gtaggagaat ctgactttga aaatttaaac acggaagact   3660
149 ttagtagtga atcggatctg gaagaaagca aagagaaact gaatgaaagc agtagctcat   3720
151 cagaaggtag cactgtggac atcggcgcac ctgtagaaga acagcccgta gtggaacctg   3780
153 aagaaactct tgaaccagaa gcttgtttca ctgaaggctg tgtacaaaga ttcaagtgtt   3840
155 gtcaaatcaa tgtggaagaa ggcagaggaa aacaatggtg gaacctgaga aggacgtgtt   3900
157 tccgaatagt tgaacataac tggtttgaga ccttcattgt tttcatgatt ctccttagta   3960
159 gtggtgctct ggcatttgaa gatatatata ttgatcagcg aaagacgatt aagacgatgt   4020
161 tggaatatgc tgacaaggtt ttcacttaca ttttcattct ggaaatgctt ctaaaatggg   4080
163 tggcatatgg ctatcaaaca tatttcacca atgcctggtg ttggctggac ttcttaattg   4140
165 ttgatgtttc attggtcagt ttaacagcaa atgccttggg ttactcagaa cttggagcca   4200
167 tcaaatctct caggacacta agagctctga gacctctaag agccttatct cgatttgaag   4260
169 ggatgagggt ggttgtgaat gccctttag gagcaattcc atccatcatg aatgtgcttc   4320
```

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/567,424

DATE: 02/14/2006
TIME: 12:41:19

Input Set : **F:\Updated 1386-23.ST25.txt**
Output Set: **N:\CRF4\02142006\J567424.raw**

```
171 tggtttgtct tatattctgg ctaattttca gcatcatggg cgtaaatttg tttgctggca   4380
173 aattctacca ctgtattaac accacaactg gtgacaggtt tgacatcgaa gacgtgaata   4440
175 atcatactga ttgcctaaaa ctaatagaaa gaaatgagac tgctcgatgg aaaaatgtga   4500
177 aagtaaactt tgataatgta ggatttgggt atctctcttt gcttcaagtt gccacattca   4560
179 aaggatggat ggatataatg tatgcagcag ttgattccag aaatgtggaa ctccagccta   4620
181 agtatgaaaa aagtctgtac atgtatcttt actttgttat tttcatcatc tttgggtcct   4680
183 tcttcacctt gaacctgttt attggtgtca tcatagataa tttcaaccag cagaaaaaga   4740
185 agtttggagg tcaagacatc tttatgacag aagaacagaa gaaatactat aatgcaatga   4800
187 aaaaattagg atcgaaaaaa ccgcaaaagc ctatacctcg accaggaaac aaatttcaag   4860
189 gaatggtctt tgacttcgta accagacaag tttttgacat aagcatcatg attctcatct   4920
191 gtcttaacat ggtcacaatg atggtggaaa cagatgacca gagtgaatat gtgactacca   4980
193 ttttgtcacg catcaatctg gtgttcattg tgctatttac tggagagtgt gtactgaaac   5040
195 tcatctctct acgccattat tattttacca ttggatggaa tattttgat tttgtggttg   5100
197 tcattctctc cattgtaggt atgtttcttg ccgagctgat agaaaagtat ttcgtgtccc   5160
199 ctaccctgtt ccgagtgatc cgtcttgcta ggattggccg aatcctacgt ctgatcaaag   5220
201 gagcaaaggg gatccgcacg ctgctctttg ctttgatgat gtcccttcct gcgttgttta   5280
203 acatcggcct cctactcttc ctagtcatgt tcatctacgc catctttggg atgtccaact   5340
205 ttgcctatgt taagagggaa gttgggatcg atgacatgtt caactttgag acctttggca   5400
207 acagcatgat ctgcctattc caaattacaa cctctgctgg ctgggatgga ttgctagcac   5460
209 ccattctcaa cagtaagcca cccgactgtg accctaataa agttaaccct ggaagctcag   5520
211 ttaagggaga ctgtgggaac ccatctgttg gaattttctt ttttgtcagt tacatcatca   5580
213 tatccttcct ggttgtggtg aacatgtaca tcgcggtcat cctggagaac ttcagtgttg   5640
215 ctactgaaga aagtgcagag cctctgagtg aggatgactt tgagatgttc tatgaggttt   5700
217 gggagaagtt tgatcccgat gcaactcagt tcatggaatt tgaaaaatta tctcagtttg   5760
219 cagctgcgct tgaaccgcct ctcaatctgc cacaaccaaa caaactccag ctcattgcca   5820
221 tggatttgcc catggtgagt ggtgaccgga tccactgtct tgatatctta tttgctttta   5880
223 caaagcgggt tctaggagag agtggagaga tggatgctct acgaatacag atggaagagc   5940
225 gattcatggc ttccaatcct tccaaggtct cctatcagcc aatcactact actttaaaac   6000
227 gaaaacaaga ggaagtatct gctgtcatta ttcagcgtgc ttacagacgc cacctttaa   6060
229 agcgaactgt aaaacaagct tcctttacgt acaataaaaa caaaatcaaa ggtggggcta   6120
231 atcttcttat aaaagaagac atgataattg acagaataaa tgaaaactct attacagaaa   6180
233 aaactgatct gaccatgtcc actgcagctt gtccaccttc ctatgaccgg gtgacaaagc   6240
235 caattgtgga aaaacatgag caagaaggca aagatgaaaa agccaaaggg aaataaatga   6300
237 aaataaataa aaataattgg gtgacaaatt gtttacagcc tgtgaaggtg atgtattttt   6360
239 atcaacagga ctcctttagg aggtcaatgc caaactgact gtttttacac aaatctcctt   6420
241 aaggtcagtg cctacaataa gacagtgacc ccttgtcagc aaactgtgac tctgtgtaaa   6480
243 ggggagatga ccttgacagg aggttactgt tctcactacc agctgacact gctgaagata   6540
245 agatgcacaa tggctagtca gactgtaggg accagtttca aggggtgcaa acctgtgatt   6600
247 ttggggttgt ttaacatgaa acactttagt gtagtaattg tatccactgt ttgcatttca   6660
249 actgccacat ttgtcacatt tttatggaat ctgttagtgg attcatcttt ttgttaatcc   6720
251 atgtgtttat tatatgtgac tatttttgta aacgaagttt ctgttgagaa ataggctaag   6780
253 gacctctata acaggtatgc cacctggggg gtatggcaac cacatggccc tcccagctac   6840
255 acaaagtcgt ggtttgcatg agggcatgct gcacttagag atcatgcatg agaaaaagtc   6900
257 acaagaaaaa caaattctta aatttcacca tatttctggg aggggtaatt gggtgataag   6960
259 tggaggtgct ttgttgatct tgtttttgcga aatccagccc ctagaccaag tagattattt   7020
261 gtgggtaggc cagtaaatct tagcaggtgc aaacttcatt caaatgtttg gagtcataaa   7080
263 tgttatgttt ctttttgttg tattaaaaaa aaaacctgaa tagtgaatat tgcccctcac   7140
265 cctccaccgc cagaagactg aattgaccaa aattactctt tataaatttc tgcttttcc   7200
267 tgcactttgt ttagccatct ttgggctctc agcaaggttg acactgtata tgttaatgaa   7260
```

```
269 atgctattta ttatgtaaat agtcatttta ccctgtggtg cacgtttgag caaacaaata   7320
271 atgacctaag cacagtattt attgcatcaa atatgtacca caagaaatgt agagtgcaag   7380
273 ctttacacag gtaataaaat gtattctgta ccatttatag atagtttgga tgctatcaat   7440
275 gcatgtttat attaccatgc tgctgtatct ggtttctctc actgctcaga atctcattta   7500
277 tgagaaacca tatgtcagtg gtaaagtcaa ggaaattgtt caacagatct catttattta   7560
279 agtcattaag caatagtttg cagcacttta acagctttt ggttattttt acattttaag     7620
281 tggataacat atggtatata gccagactgt acagacatgt ttaaaaaaac acactgctta   7680
283 acctattaaa tatgtgttta gaattttata agcaaatata aatactgtaa aaagtcactt   7740
285 tattttattt ttcagcatta tgtacataaa tatgaagagg aaattatctt caggttgata   7800
287 tcacaatcac ttttcttact ttctgtccat agtacttttt catgaaagaa atttgctaaa   7860
289 taagacatga aaacaagact gggtagttgt agatttctgc tttttaaatt acatttgcta   7920
291 attttagatt atttcacaat tttaaggagc aaaataggtt cacgattcat atccaaatta   7980
293 tgctttgcaa ttggaaaagg gtttaaaatt ttatttatat ttctggtagt acctgtacta   8040
295 actgaattga aggtagtgct tatgttattt ttgttctttt tttctgactt cggtttatgt   8100
297 tttcatttct ttggagtaat gctgctctag attgttctaa atagaatgtg ggcttcataa   8160
299 ttttttttttc cacaaaaaca gagtagtcaa cttatatagt caattacatc aggacatttt   8220
301 gtgtttctta cagaagcaaa ccataggctc ctcttttcct taaaactact tagataaact   8280
303 gtattcgtga actgcatgct ggaaaatgct actattatgc taaataatgc taaccaacat   8340
305 ttaaaatgtg caaaactaat aaagattaca tttttattt t                         8381
308 <210> SEQ ID NO: 2
309 <211> LENGTH: 8381
310 <212> TYPE: DNA
311 <213> ORGANISM: Homo sapiens
313 <400> SEQUENCE: 2
314 atactgcaga ggtctctggt gcatgtgtgt atgtgtgcgt ttgtgtgtgt ttgtgtgtct     60
316 gtgtgttctg ccccagtgag actgcagccc ttgtaaatac tttgacacct tttgcaagaa    120
318 ggaatctgaa caattgcaac tgaaggcaca ttgttatcat ctcgtctttg ggtgatgctg    180
320 ttcctcactg cagatggata attttccttt taatcaggaa tttcatatgc agaataaatg    240
322 gtaattaaaa tgtgcaggat gacaagatgg agcaaacagt gcttgtacca ccaggacctg    300
324 acagcttcaa cttcttcacc agagaatctc ttgcggctat tgaaagacgc attgcagaag    360
326 aaaaggcaaa gaatcccaaa ccagacaaaa aagatgacga cgaaaatggc ccaaagccaa    420
328 atagtgactt ggaagctgga aagaaccttc catttattta tggagacatt cctccagaga    480
330 tggtgtcaga gccctggag gacctggacc cctactatat caataagaaa acttttatag     540
332 tattgaataa attgaaggcc atcttccggt tcagtgccac ctctgccctg tacatttaa     600
334 ctcccttcaa tcctcttagg aaaatagcta ttaagatttt ggtacattca ttattcagca    660
336 tgctaattat gtgcactatt ttgacaaact gtgtgtttat gacaatgagt aaccctcctg    720
338 attggacaaa gaatgtagaa tacaccttca caggaatata tacttttgaa tcacttataa    780
340 aaattattgc aagggggattc tgtttagaag attttacttt ccttcgggat ccatggaact    840
342 ggctcgattt cactgtcatt acatttgcgt acgtcacaga gtttgtggac ctgggcaatg    900
344 tctcggcatt gagaacattc agagttctcc gagcattgaa gacgatttca gtcattccag    960
346 gcctgaaaac cattgtggga gccctgatcc agtctgtgaa gaagctctca gatgtaatga   1020
348 tcctgactgt gttctgtctg agcgtatttg ctctaattgg gctgcagctg ttcatgggca   1080
350 acctgaggaa taaatgtata caatggcctc ccaccaatgc ttccttggag aacatagta    1140
352 tagaaaagaa tataactgtg aattataatg gtacacttat aaatgaaact gtctttgagt   1200
354 ttgactggaa gtcatatatt caagattcaa gatatcatta tttcctggag ggttttttag   1260
356 atgcactact atgtggaaat agctctgatg caggccaatg tccagaggga tatatgtgtg   1320
358 tgaaagctgg tagaaatccc aattatggct acacaagctt tgataccttc agttgggctt   1380
360 ttttgtcctt gtttcgacta atgactcagg acttctgaga aaatctttat caactgacat   1440
362 tacgtgctgc tgggaaaacg tacatgatat tttttgtatt ggtcattttc ttgggctcat   1500
```

```
364 tctacctaat aaatttgatc ctggctgtgg tggccatggc ctacgaggaa cagaatcagg 1560
366 ccaccttgga agaagcagaa cagaaagagg ccgaatttca gcagatgatt gaacagctta 1620
368 aaaagcaaca ggaggcagct cagcaggcag caacggcaac tgcctcagaa cattccagag 1680
370 agcccagtgc agcaggcagg ctctcagaca gctcatctga agcctctaag ttgagttcca 1740
372 agagtgctaa ggaaagaaga aatcggagga agaaaagaaa acagaaagag cagtctggtg 1800
374 gggaagagaa agatgaggat gaattccaaa aatctgaatc tgaggacagc atcaggagga 1860
376 aaggttttcg cttctccatt gaagggaacc gattgacata tgaaaagagg tactcctccc 1920
378 cacaccagtc tttgttgagc atccgtggct ccctatttc accaaggcga aatagcagaa 1980
380 caagccttt cagctttaga gggcgagcaa aggatgtggg atctgagaac gacttcgcag 2040
382 atgatgagca cagcaccttt gaggataacg agagccgtag agattccttg tttgtgcccc 2100
384 gacgacacgg agagagacgc aacagcaacc tgagtcagac cagtaggtca tcccggatgc 2160
386 tggcagtgtt tccagcgaat gggaagatgc acagcactgt ggattgcaat ggtgtggttt 2220
388 ccttggttgg tggaccttca gttcctacat cgcctgttgg acagcttctg ccagaggtga 2280
390 taatagataa gccagctact gatgacaatg gaacaaccac tgaaactgaa atgagaaaga 2340
392 gaaggtcaag ttctttccac gtttccatgg actttctaga agatccttcc caaaggcaac 2400
394 gagcaatgag tatagccagc attctaacaa atacagtaga agaacttgaa gaatccaggc 2460
396 agaaatgccc accctgttgg tataaatttt ccaacatatt cttaatctgg gactgttctc 2520
398 catattggtt aaaagtgaaa catgttgtca acctggttgt gatggaccca tttgttgacc 2580
400 tggccatcac catctgtatt gtcttaaata ctcttttcat ggccatggag cactatccaa 2640
402 tgacggacca tttcaataat gtgcttacag taggaaactt ggttttcact gggatcttta 2700
404 cagcagaaat gtttctgaaa attattgcca tggatcctta ctattatttc caagaaggct 2760
406 ggaatatctt tgacggtttt attgtgacgc ttagcctggt agaacttgga ctcgccaatg 2820
408 tggaaggatt atctgttctc cgttcatttc gattgctgcg agttttcaag ttggcaaaat 2880
410 cttggccaac gttaaatatg ctaataaaga tcatcggcaa ttccgtgggg gctctgggaa 2940
412 atttaaccct cgtcttggcc atcatcgtct tcattttgc cgtggtcggc atgcagctct 3000
414 ttggtaaaag ctacaaagat tgtgtctgca agatcgccag tgattgtcaa ctcccacgct 3060
416 ggcacatgaa tgacttcttc cactccttcc tgattgtgtt ccgcgtgctg tgtggggagt 3120
418 ggatagagac catgtgggac tgtatggagg ttgctggtca agccatgtgc cttactgtct 3180
420 tcatgatggt catggtgatt ggaaacctag tggtcctgaa tctctttctg gccttgcttc 3240
422 tgagctcatt tagtgcagac aaccttgcag ccactgatga tgataatgaa atgaataatc 3300
424 tccaaattgc tgtggatagg atgcacaaag gagtagctta tgtgaaaaga aaaatatatg 3360
426 aatttattca acagtccttc attaggaaac aaaagatttt agatgaaatt aaaccacttg 3420
428 atgatctaaa caacaagaaa gacagttgta tgtccaatca tacaacagaa attgggaaag 3480
430 atcttgacta tcttaaagat gtaaatggaa ctacaagtgg tataggaact ggcagcagtg 3540
432 ttgaaaaata cattattgat gaaagtgatt acatgtcatt cataaacaac cccagtctta 3600
434 ctgtgactgt accaattgct gtaggagaat ctgactttga aaatttaaac acggaagact 3660
436 ttagtagtga atcggatctg gaagaaagca aagagaaact gaatgaaagc agtagctcat 3720
438 cagaaggtag cactgtggac atcggcgcac ctgtagaaga acagcccgta gtggaacctg 3780
440 aagaaactct tgaaccagaa gcttgtttca ctgaaggctg tgtacaaaga ttcaagtgtt 3840
442 gtcaaatcaa tgtggaagaa ggcagaggaa acaatggtg gaacctgaga aggacgtgtt 3900
444 tccgaatagt tgaacataac tggtttgaga ccttcattgt tttcatgatt ctccttagta 3960
446 gtggtgctct ggcatttgaa gatatatata ttgatcagcg aaagacgatt aagacgatgt 4020
448 tggaatatgc tgacaaggtt ttcacttaca ttttcattct ggaaatgctt ctaaaatggg 4080
450 tggcatatgg ctatcaaaca tatttcacca atgcctggtg ttggctggac ttcttaattg 4140
452 ttgatgtttc attggtcagt ttaacagcaa atgccttggg ttactcagaa cttggagcca 4200
454 tcaaatctct caggacacta agagctctga gacctctaag agccttatct cgatttgaag 4260
456 ggatgagggt ggttgtgaat gcccttttag gagcaattcc atccatcatg aatgtgcttc 4320
458 tggtttgtct tatattctgg ctaattttca gcatcatggg cgtaaatttg tttgctggca 4380
460 aattctacca ctgtattaac accacaactg gtgacaggtt tgacatcgaa gacgtgaata 4440
```

VERIFICATION SUMMARY
PATENT APPLICATION: **US/10/567,424**

DATE: 02/14/2006
TIME: 12:41:20

Input Set : **F:\Updated 1386-23.ST25.txt**
Output Set: **N:\CRF4\02142006\J567424.raw**

L:17 M:270 C: Current Application Number differs, Replaced Current Application No
L:17 M:271 C: Current Filing Date differs, Replaced Current Filing Date